

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/874,140

Source: _____

Date Processed by STIC: _____

ENTERED



OIPE

RAW SEQUENCE LISTING

DATE: 04/21/2005

PATENT APPLICATION: US/09/874,140

TIME: 11:39:51

Input Set : N:\Crif3\RULE60\09874140.raw.txt

Output Set: N:\CRF4\04212005\I874140.raw

```

1 <110> APPLICANT: EICKMANN, Markus
2      GICKLHORN, Dorothee
3      RADSACK, Klaus
4      HAUSER, Hans-Peter
5      GIESENDORF, Bernhard
6 <120> TITLE OF INVENTION: VARICELLA ZOSTER VIRUS (VZV) IMMUNOREACTIVE PROTEIN
7      VP26 AND ITS DIAGNOSTIC USE
8 <130> FILE REFERENCE: 058315/0127
9 <140> CURRENT APPLICATION NUMBER: US/09/874,140
10 <141> CURRENT FILING DATE: 2001-06-06
11 <150> PRIOR APPLICATION NUMBER: US/09/219,337
12 <151> PRIOR FILING DATE: 1998-12-23
13 <150> PRIOR APPLICATION NUMBER: DE 197 57 765.2
14 <151> PRIOR FILING DATE: 1997-12-23
15 <160> NUMBER OF SEQ ID NOS: 6
16 <170> SOFTWARE: PatentIn Ver. 2.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 705
20 <212> TYPE: DNA
21 <213> ORGANISM: Varicella Zoster Virus
22 <220> FEATURE:
23 <221> NAME/KEY: CDS
24 <222> LOCATION: (1)..(705)
25 <400> SEQUENCE: 1
26      atg aca caa ccc gca tcg tct cgt gta gtc ttt gat ccc agc aac ccc      48
27      Met Thr Gln Pro Ala Ser Ser Arg Val Val Phe Asp Pro Ser Asn Pro
28      1          5          10          15
29      acc aca ttt tcg gtg gaa gca att gcg gct tac acc ccc gtt gct tta      96
30      Thr Thr Phe Ser Val Glu Ala Ile Ala Ala Tyr Thr Pro Val Ala Leu
31      20          25          30
32      ata cga ctt tta aac gcc agt gga cct ttg caa cct ggt cac cgt gtg      144
33      Ile Arg Leu Leu Asn Ala Ser Gly Pro Leu Gln Pro Gly His Arg Val
34      35          40          45
35      gac atc gct gat gcc aga agc att tac acc gtg gga gcc gcg gcc agt      192
36      Asp Ile Ala Asp Ala Arg Ser Ile Tyr Thr Val Gly Ala Ala Ala Ser
37      50          55          60
38      gcc gcg cgt gca cgc gct aac cat aat gca aat acg ata cgc cga acg      240
39      Ala Ala Arg Ala Arg Ala Asn His Asn Ala Asn Thr Ile Arg Arg Thr
40      65          70          75          80
41      gcc atg ttt gcc gag act gac cct atg aca tgg tta aga cca acg gtt      288
42      Ala Met Phe Ala Glu Thr Asp Pro Met Thr Trp Leu Arg Pro Thr Val
43      85          90          95
44      ggc tta aaa cgt acg ttt aac ccg cgt att ata cga cca caa ccc cca      336

```

RAW SEQUENCE LISTING

DATE: 04/21/2005

PATENT APPLICATION: US/09/874,140

TIME: 11:39:51

Input Set : N:\Crf3\RULE60\09874140.raw.txt

Output Set: N:\CRF4\04212005\I874140.raw

```

45   Gly Leu Lys Arg Thr Phe Asn Pro Arg Ile Ile Arg Pro Gln Pro Pro
46           100                      105                      110
47   aat cca tcc atg agt ttg gga atc tcg ggg cct act ata ttg ccg caa   384
48   Asn Pro Ser Met Ser Leu Gly Ile Ser Gly Pro Thr Ile Leu Pro Gln
49           115                      120                      125
50   aaa aca cag agc gcc gat cag tct gct tta caa cag ccc gcc gcg ttg   432
51   Lys Thr Gln Ser Ala Asp Gln Ser Ala Leu Gln Gln Pro Ala Ala Leu
52           130                      135                      140
53   gcg ttt tcg gga tca tcc ccg caa cac ccc cca cct caa acg acg tcg   480
54   Ala Phe Ser Gly Ser Ser Pro Gln His Pro Pro Pro Gln Thr Thr Ser
55           145                      150                      155                      160
56   gca tcc gtt gga caa cag caa cac gtg gtg tcg ggg tct tct gga caa   528
57   Ala Ser Val Gly Gln Gln Gln His Val Val Ser Gly Ser Ser Gly Gln
58           165                      170                      175
59   caa ccg caa cag gga gca cag tca agc act gtc cag cca aca acc gga   576
60   Gln Pro Gln Gln Gly Ala Gln Ser Ser Thr Val Gln Pro Thr Thr Gly
61           180                      185                      190
62   tca ccg ccc gcg gcc caa ggc gtg cca cag tct acc ccg ccc cca acc   624
63   Ser Pro Pro Ala Ala Gln Gly Val Pro Gln Ser Thr Pro Pro Pro Thr
64           195                      200                      205
65   caa aat acc ccc cag ggg ggt aag gga cag acc ttg tca cac acg gga   672
66   Gln Asn Thr Pro Gln Gly Gly Lys Gly Gln Thr Leu Ser His Thr Gly
67           210                      215                      220
68   caa tct gga aac gct tca aga agt cgt agg gtg   705
69   Gln Ser Gly Asn Ala Ser Arg Ser Arg Arg Val
70   225                      230                      235
72 <210> SEQ ID NO: 2
73 <211> LENGTH: 235
74 <212> TYPE: PRT
75 <213> ORGANISM: Varicella Zoster Virus
76 <400> SEQUENCE: 2
77   Met Thr Gln Pro Ala Ser Ser Arg Val Val Phe Asp Pro Ser Asn Pro
78       1           5           10           15
79   Thr Thr Phe Ser Val Glu Ala Ile Ala Ala Tyr Thr Pro Val Ala Leu
80           20           25           30
81   Ile Arg Leu Leu Asn Ala Ser Gly Pro Leu Gln Pro Gly His Arg Val
82           35           40           45
83   Asp Ile Ala Asp Ala Arg Ser Ile Tyr Thr Val Gly Ala Ala Ala Ser
84           50           55           60
85   Ala Ala Arg Ala Arg Ala Asn His Asn Ala Asn Thr Ile Arg Arg Thr
86           65           70           75           80
87   Ala Met Phe Ala Glu Thr Asp Pro Met Thr Trp Leu Arg Pro Thr Val
88           85           90           95
89   Gly Leu Lys Arg Thr Phe Asn Pro Arg Ile Ile Arg Pro Gln Pro Pro
90           100          105          110
91   Asn Pro Ser Met Ser Leu Gly Ile Ser Gly Pro Thr Ile Leu Pro Gln
92           115          120          125
93   Lys Thr Gln Ser Ala Asp Gln Ser Ala Leu Gln Gln Pro Ala Ala Leu
94           130          135          140

```

RAW SEQUENCE LISTING

DATE: 04/21/2005

PATENT APPLICATION: US/09/874,140

TIME: 11:39:51

Input Set : N:\Crf3\RULE60\09874140.raw.txt

Output Set: N:\CRF4\04212005\I874140.raw

```

95      Ala Phe Ser Gly Ser Ser Pro Gln His Pro Pro Pro Gln Thr Thr Ser
96      145                      150                      155                      160
97      Ala Ser Val Gly Gln Gln His Val Val Ser Gly Ser Ser Gly Gln
98                      165                      170                      175
99      Gln Pro Gln Gln Gly Ala Gln Ser Ser Thr Val Gln Pro Thr Thr Gly
100                      180                      185                      190
101      Ser Pro Pro Ala Ala Gln Gly Val Pro Gln Ser Thr Pro Pro Pro Thr
102                      195                      200                      205
103      Gln Asn Thr Pro Gln Gly Gly Lys Gly Gln Thr Leu Ser His Thr Gly
104                      210                      215                      220
105      Gln Ser Gly Asn Ala Ser Arg Ser Arg Arg Val
106      225                      230                      235
108 <210> SEQ ID NO: 3
109 <211> LENGTH: 37
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
114 <400> SEQUENCE: 3
115      ggaattccgg atgacacaac ccgcatcgtc tcgtgta
116                                     37
117 <210> SEQ ID NO: 4
118 <211> LENGTH: 38
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
123 <400> SEQUENCE: 4
124      gctctagatt acaccctacg acttcttgaa gcgtttcc
125                                     38
126 <210> SEQ ID NO: 5
127 <211> LENGTH: 34
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
132 <400> SEQUENCE: 5
133      ggaattccgc gcctgcaggt cgacactagt ggat
134                                     34
135 <210> SEQ ID NO: 6
136 <211> LENGTH: 27
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
141 <400> SEQUENCE: 6
142      cggatccgat cccagcaacc ccaccac
143                                     27

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/874,140

DATE: 04/21/2005

TIME: 11:39:52

Input Set : N:\Crf3\RULE60\09874140.raw.txt

Output Set: N:\CRF4\04212005\I874140.raw